

**AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions and listings of claims in the application:

**1. (currently amended) (After correction)** A rotating angle detector comprising magnetic field generating means for rotating integrally with a detected member and uniformly generating a magnetic field in one direction perpendicularly to a rotating axis in a stationary state, at least four magnetic sensors provided to generate one sine wave for one rotation of the magnetic field generating means respectively, and a substrate provided with at least four differential amplifying means for amplifying respective detection signals, wherein the substrate is additionally provided with at least two signal differential amplifying means and has a circuit wiring in which respective outputs sent from the at least four differential amplifying means pass through the signal amplifying differential means thus added.

Claims 2-4 (Cancelled)